

Practical 11

Aim: To understand the concept of “select into” and “% type” attribute.

Create an EMPLOYEES table that is a replica of the EMP table. Add a new column, STARS, of VARCHAR2 data type and length of 50 to the EMPLOYEES table for storing asterisk (*).

Create a PL/SQL block that rewards an employee by appending an asterisk in the STARS column for every Rs1000/- of the employee's salary. For example, if the employee has a salary amount of Rs8000/-, the string of asterisks should contain eight asterisks. If the employee has a salary amount of Rs12500/-, the string of asterisks should contain 13 asterisks. Update the STARS column for the employee with the string of asterisks.

i)

Query: alter table employee add STARS varchar2(50);

Output:

User: 22DCE006

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```
alter table employee add STARS varchar2(50);
```

Results Explain Describe Saved SQL History

Table altered.

0.03 seconds

ii)

Query:

```
declare
star_sal number;
itr number;
no number := 101;
nofstars varchar2(20);
begin
while no < 108 loop
select emp_sal into star_sal from employee where emp_no = no;
itr := ceil(star_sal/1000);
for i in 1..itr loop
nofstars                                     :=                                nofstars
'*';http://127.0.0.1:8080/apex/f?p=4500:1003:3486766455597079::NO:1003::#
end loop;
update employee set stars=nofstars where emp_no = no;
```

```

nofstars := "";
no := no + 1;
end loop;
end;
select *from employee
Output:

```

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```

end;
select *from employee

```

Results Explain Describe Saved SQL History

EMP_NO	EMP_NAME	EMP_SAL	EMP_COMM	DEPT_NO	L_NAME	DEPT_NAME	JOB_ID	LOCATION	MANAGER_ID	HIREDATE	PHONE	INCREASE	DIFFERENCE	STARS
101	smith	800	-	10	shah	machine learning	fl_mgr	toronto	105	09-AUG-96	-	920	120	*
102	snehal	1600	300	25	gupta	data science	lec	las vegas	-	14-MAR-96	-	1840	240	**
103	David	1100	500	20	wales	machine learning	mik_mgr	ontario	105	30-NOV-95	-	1265	165	**
104	aman	3000	-	10	sharma	virtual reality	comp_op	mexico	12	02-OCT-97	-	3450	450	***
105	anita	5000	50000	10	patel	big data analytics	comp_op	germany	107	01-JAN-98	-	5750	750	*****
106	sneha	2450	24500	10	joseph	big data analytics	fl_acc	melbourne	105	26-SEP-97	-	2818	368	***
107	anamika	2975	-	30	jha	artificial intelligence	it_prog	new york	-	15-JUL-97	-	3421	446	***

7 rows returned in 0.00 seconds [CSV Export](#)

Conclusion: From this practical I learned about the concept of “select into “query ,”%type” attribute and its implementation.

Staff Signature:

Grade:

Remarks by the Staff: